

LEGEND

	HEAVY LINE INDICATES WORK TO BE DONE
	LIGHT LINE INDICATES EXISTING TO REMAIN
	MEDIUM VOLTAGE (13.8KV) VACUUM CIRCUIT BREAKER, DRAWOUT TYPE 1200A.
	TRANSFORMER, DRY TYPE, FAN COOLED, 2000/2667/3325KVA, 3# 13.8KV-480/277V
	4000 AMP, ELECTRICALLY OPERATED MAIN OR TIE AIR CIRCUIT BREAKER, DRAWOUT TYPE WITH DRAWOUT FUSE TRUCK. FUSE SIZE AS SHOWN ON DRAWINGS. (BKR & FUSE COMPARTMENTS IN SAME VERTICAL SECTION)
	ELECTRICALLY OPERATED AIR CIRCUIT BREAKER, DRAWOUT TYPE WITH INTEGRALLY MOUNTED FUSES. SIZE AS SHOWN ON DRAWINGS.
	GROUND AND TEST DEVICE, 13.8KV
	EXISTING CIRCUIT BREAKER, DRAWOUT TYPE, 13.8KV MEDIUM VOLTAGE-LOCATED AT THE EXISTING POWER DISTRIBUTION CENTER (POC)
	LIGHTNING ARRESTOR
	KIRK KEY INTERLOCK
	ISOLATING BUS LINK
	AUTOMATIC TRANSFER SWITCH
	SAFETY SWITCH - FUSED. SIZE AND TYPE AS INDICATED ON DRAWINGS.
	TRANSFORMER, DRY TYPE, 3 # 480-208/120V, KVA AS SHOWN
	CIRCUIT BREAKER, 3 POLE, 600V, MOLDED CASE SIZE AS INDICATED ON DRAWING
	FULL VOLTAGE NON-REVERSING, 3 POLE, 600 VOLT, COMBINATION MAGNETIC MOTOR STARTER WITH CIRCUIT BREAKER DISCONNECT.
	UNINTERRUPTIBLE POWER SUPPLY
	DIGITAL INSTRUMENT PACKAGE - SQUARE "D" CLASS 302D MODEL CM 2250 OR POWER INSTRUMENTS LTD. MODEL 372D.
	CONDUIT RUN EXPOSED
	CONDUIT RUN IN HUNG CEILING
	2" CONDUIT WITH 1-500MCM INSULATED GND WIRE. RUN EXPOSED
	EXISTING CONDUIT TO REMAIN
	EXISTING 3/4" U.O.N., CONDUIT RUN TO BE REMOVED
	DOTTED LINE DENOTES POINT AT WHICH EXISTING FEEDER IS TO BE REMOVED BACK TO EXISTING SWGR. OR EQUIPMENT
	CONDUIT HOMERUN TO PANELBOARD AS INDICATED
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CAP CONDUIT
	FLEXIBLE CONDUIT
	BUSWAY, SIZE AS SHOWN
	BUSWAY END CLOSURE
	EXISTING BUSWAY TO REMAIN
	CONNECT TO EXISTING BUSWAY
	EXISTING BUSWAY TO BE REMOVED
	BUSWAY TRANSITION BOX SEE DETAIL DWG. #E-105

NOS. AT END OF DESIGNATION INDICATE EQUIPMENT ASSOCIATED WITH BUS
eg: TR-1 TRANSFORMER SUPPLY BUS #1

CONDUIT & BUSWAY DESIGNATIONS

	DESIGNATION UNDERLINED INDICATES CONDUIT DESIGNATION.
	DESIGNATION IN PARENTHESIS INDICATES EXIST. CONDUIT DESIGNATION TO REMAIN
	CONNECT TO EXISTING CONDUIT, CHANGE EXIST. DESIGNATION. eg. EXIST. CONDUIT (R-15) BECOMES B-3.
	INDICATES EMPTY CONDUIT

CONDUIT RUNS WITHOUT DESIGNATIONS

- MINIMUM SIZE CONDUIT SHALL BE 3/4".
- CROSS HATCH DENOTES NUMBER OF #12 WIRE.
- NO CROSS HATCH INDICATES 2 #12 & 1 #12 CHD.
- HATCH MARK WITH TAIL INDICATES #12 GND WIRE.
- E.C. OR $\frac{1}{2}$ INDICATES EMPTY CONDUIT.

FOR DESCRIPTION OF BUSWAY:

- 4000A, 600V BUSWAY - SEE NOTE #3, DWG. #E-3
- 2000A, 480/277V BUSWAY. } SEE NOTE #16
- 4000A, 480/277V TEMPORARY BUSWAY } DWG. #E-2

	FLUORESCENT LIGHTING FIXTURE (1' X 4')
	FLUORESCENT LIGHTING FIXTURE (2' X 2')
	INCANDESCENT LIGHTING FIXTURE
	CEILING MOUNTED EXIT LIGHT FIXTURE WITH 8" RED LETTERS, SINGLE OR DOUBLE FACE AS INDICATED BY FILLED IN AREA, WITH DIRECTIONAL ARROWS AS INDICATED. SIGN FACE TO BE POSITIONED AS SHOWN BY CROSS-BAR.
	EXIT LIGHT SAME AS ABOVE EXCEPT WALL MOUNTED
	EXISTING (1' X 4') FLUORESCENT LIGHTING FIXTURE TO REMAIN
	SINGLE POLE TOGGLE SWITCH 20A, 120-277V, SURFACE MOUNTED
	THREE WAY TOGGLE SWITCH 20A, 120-277V, SURFACE MOUNTED
	FOUR WAY TOGGLE SWITCH 20A, 120-277V, SURFACE MOUNTED
	SINGLE POLE TOGGLE SWITCH WITH RED PILOT LIGHT RATED 15A, 120V SURFACE MOUNTED
	480V, 3P 20A, TWIST LOCK RECEPTACLE NEMA L16-20R SURFACE MOUNTED
	DUPLEX RECEPTACLE, 125V-15A, NEMA 5-15R, SURFACE MOUNTED
	MOTOR
	EXISTING MOTOR
	MOTOR LOCK-OUT KEY SWITCH IN CAST DEVICE BOX, KEY TO MATCH EXIST. KEYING SYSTEM.
	SOLENOID VALVE - 24V DC-SEE MECHANICAL DWG. FOR DESCRIPTION.
	THERMOSTAT - SEE MECHANICAL DRAWINGS FOR DESCRIPTION
	JUNCTION BOX
	WATT-HOUR METER AND PAN
	EXISTING WATT-HOUR METER CABINET
	TRANSFORMER - DRY TYPE SIZE AND VOLTAGE AS SHOWN ON CONTRACT DRAWINGS
	COMBINATION STARTER WITH CIRCUIT BREAKER DISCONNECT
	TELEPHONE OUTLET
	AUTOMATIC TRANSFER SWITCH
	EXISTING AUTOMATIC TRANSFER SWITCH
	DISTRIBUTION PANEL - 480/277V, 3# SURFACE MOUNTED
	DISTRIBUTION PANEL - 208/120V, 3# SURFACE MOUNTED

FOR COMPLETE DESCRIPTION AND FEATURES SEE LIGHTING FIXTURE SCHEDULE ON DRAWING #E-2

MOUNTING HEIGHT 48" A.F.F. TO C OF SWITCH

MOUNTING HEIGHT 15" A.F.F. TO C OF RECEPTACLE

NUMBER INDICATES HORSEPOWER

FIRE ALARM EQUIPMENT

ALL FIRE ALARM EQUIPMENT SHALL BE CERBRUS PYROTRONICS, NO SUBSTITUTION.

SYMBOL

	ADDRESSABLE PULL STATION, MODEL #MSI-CS2 METAL SURFACE MOUNTED, CLASS E WITH NYC WHITE STRIP.
	ADDRESSABLE IONIZATION HIGH VELOCITY SMOKE DETECTOR MODEL #10-600A & BASE #DB-35.
	ADDRESSABLE AIR DUCT SMOKE DETECTOR MODEL #10-601B WITH HOUSING #DB-X3RS & SAMPLING TUBE #STA
	TSI-60R ADDRESSABLE INTERFACE MODULE WITH RELAY MOUNTED IN DOUBLE GANG SWITCHBOX
	TSI-60D DUAL ADDRESSABLE INTERFACE SWITCH MODULE MOUNTED IN DOUBLE GANG SWITCHBOX
	TAMPER SWITCH
	WATER FLOW SWITCH
	STROBE SPEAKER, MODEL #SSPK-7070H WITH SPEAKER AND ADA STROBE, SURFACE MOUNTED, MOUNTING HEIGHT 80" ABOVE FINISHED FLOOR.
	"F1" - INDICATES 1PR TW SH #16 AWG IN CONDUIT
	"F2" - INDICATES SAME AS ABOVE EXCEPT NOT SHIELDED
	"F3" - INDICATES 1PR TW SH #14 AWG IN CONDUIT
	"F4" - INDICATES SAME AS ABOVE EXCEPT NOT SHIELDED
	EXISTING MANUAL PULL STATION
	EXISTING SMOKE DETECTOR
	EXISTING DUCT DETECTOR
	FIRE ALARM REMOTE ALARM LAMP
	SPEAKER TO REMAIN

NUMBER IN FRONT OF CABLE TYPE INDICATES QUANTITY OF CABLES (i.e. 10-E1)

R INDICATES RELOCATE AS SHOWN ON PLAN